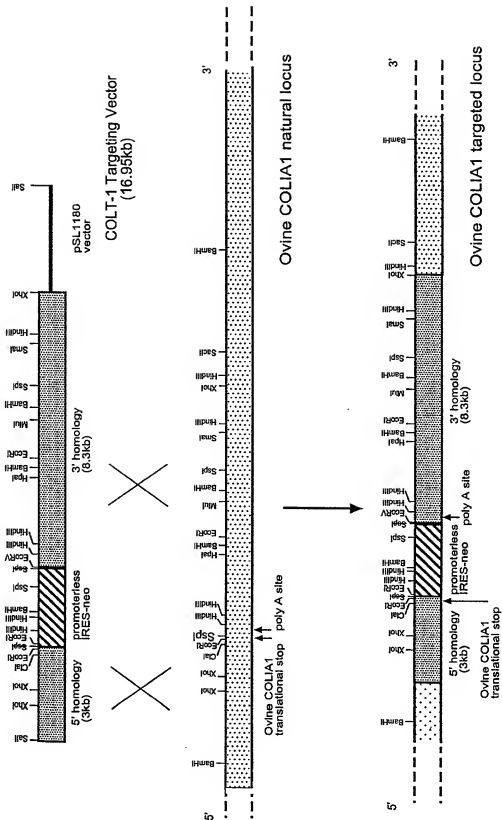


Figure 1 COLT-1 gene targeting vector and the structure of the COLIA1 targeted locus



30073-0200



Sequence B

[illegible]

Figure 3. PCR screen of COLT-1 PDFF2 transfectants

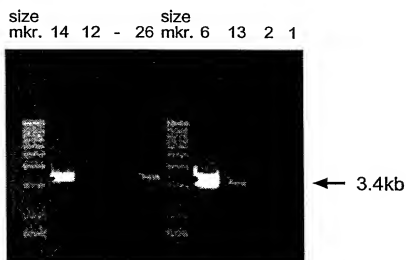


Figure 4. Sequence analysis at 5' junction of targeted locus

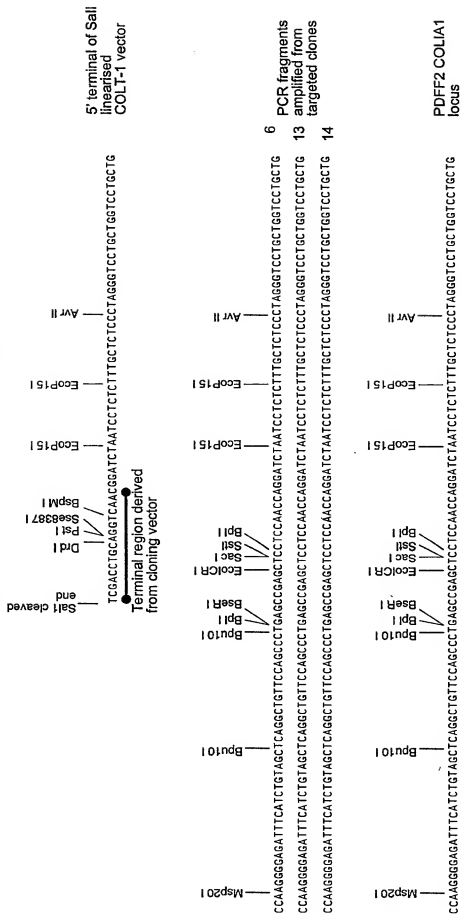


Figure 5. Construction of COLT-2 Transgene placement vector

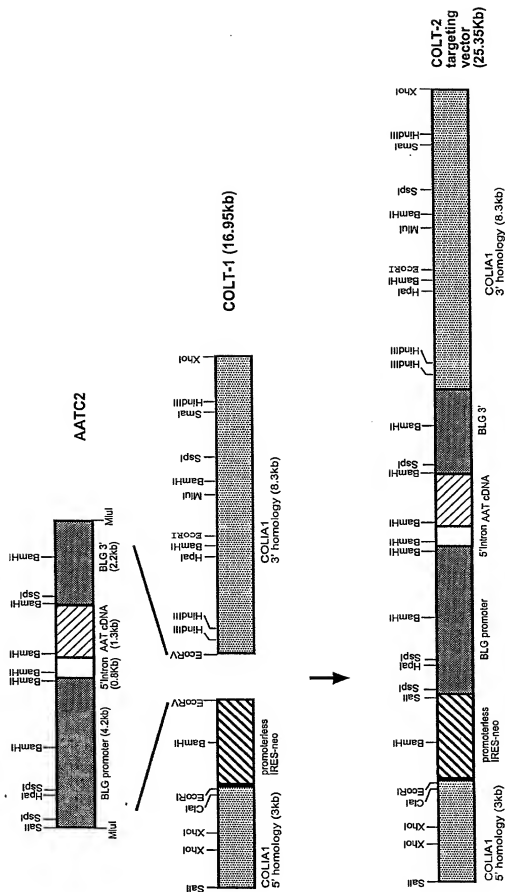
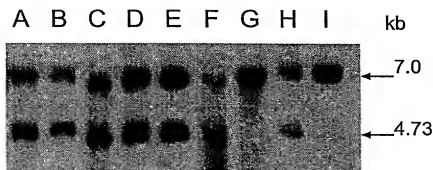


Figure 6. Southern analysis of gene targeted lambs



Key to lanes

COLT1 targeted lambs

(nuclear transfer from cell clone PDCOL6)

- A. live lamb born from ewe 941235
- B. stillborn lamb from ewe 9600356
- C. live lamb born from ewe 950030
- D. stillborn lamb from ewe 941053.

COLT 2 targeted lambs

(nuclear transfer from cell clone PDCAAT90)

- E. stillborn lamb from ewe NZ1418
- F. live lamb born from ewe 941026

- G. wild type lamb
- H. cell clone PDCAAT90.
- I. non transfected PDFF2 cells

Figure 7. Structure of the COLT-1 and COLT-2 targeted loci

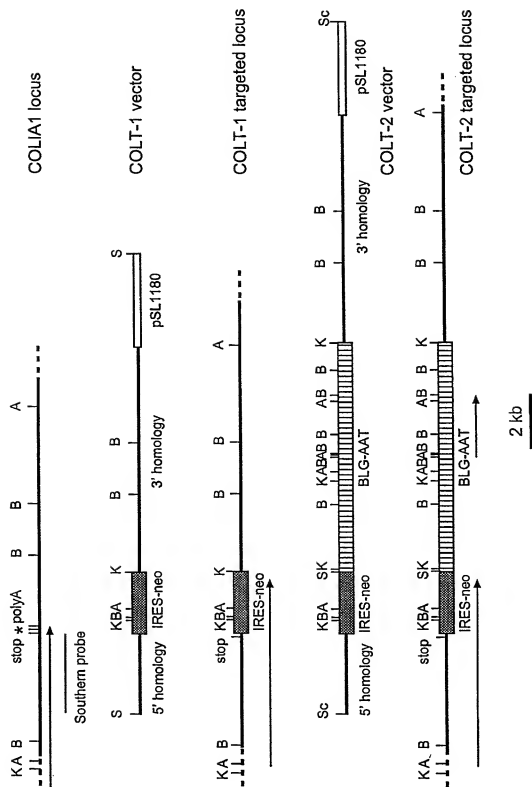


Figure 8. Southern analysis of COLT-2 transfected (PDCAAT) cell clones

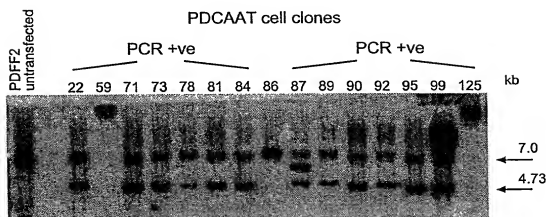


Figure 9. Northern analysis of COLT-2 targeted (PDCAAT) cell clones

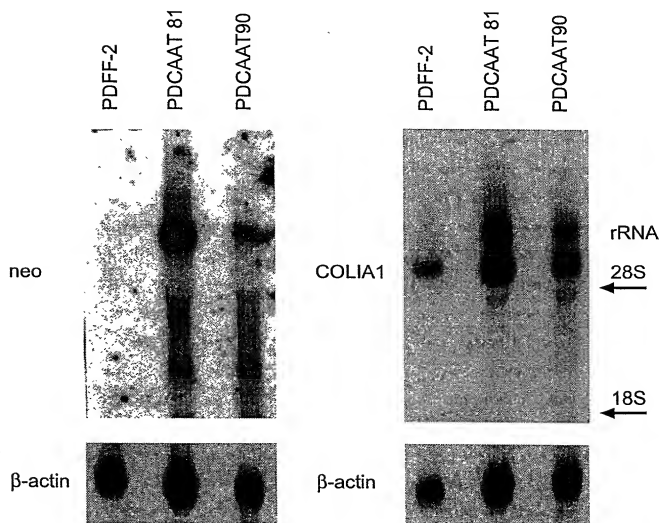


Figure 10. Northern analysis of primary ovine mammary cells in culture

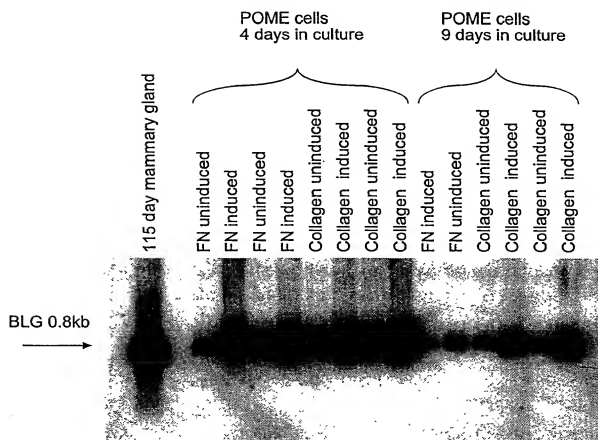
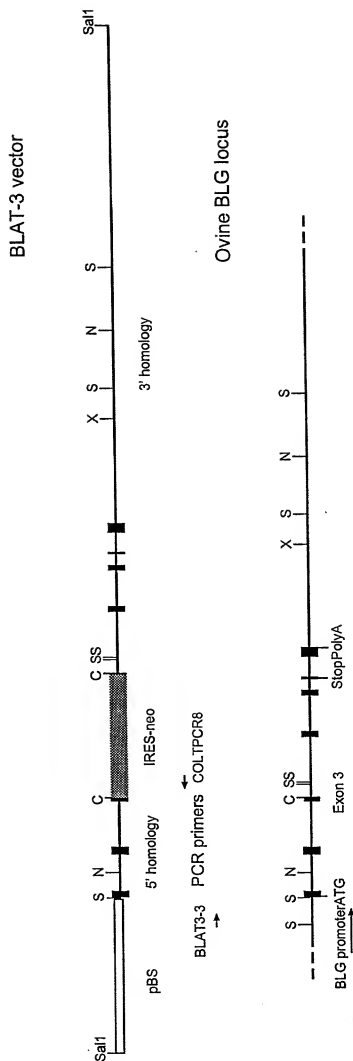


Figure 11. Ovine beta lactoglobulin targeting vector BLAT-3



Abbreviations for restriction enzyme sites:
 S SacI
 N NotI
 X XbaI
 C ClaI

Figure 12. PCR analysis of BLAT-3 transfected POME cell clones

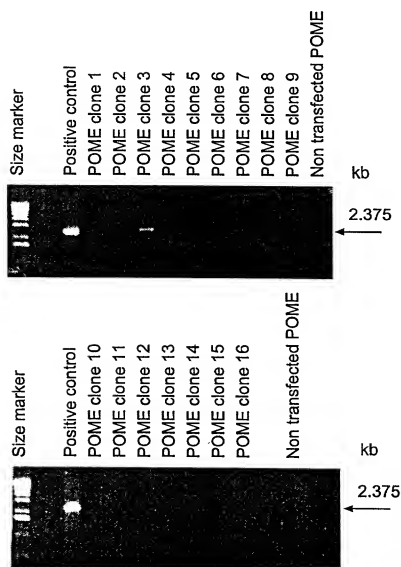


Figure 13. Promoter-trap Knockout Vector for Porcine α -1,3-Galactosyltransferase Gene

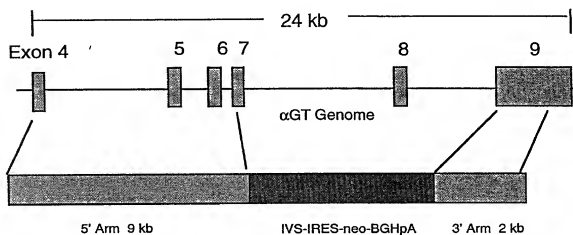


Figure 14. PCR Screening and DNA Sequencing of α GT Knockout clones

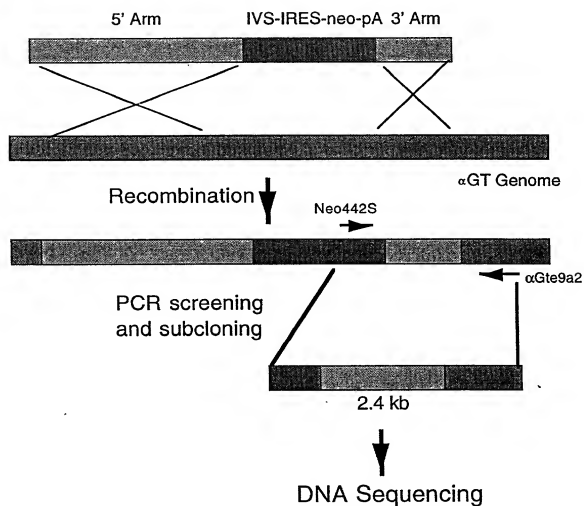


Figure 15. Sequence analysis over 3' junction region of PCR fragment amplified from porcine α -1,3GT targeted locus

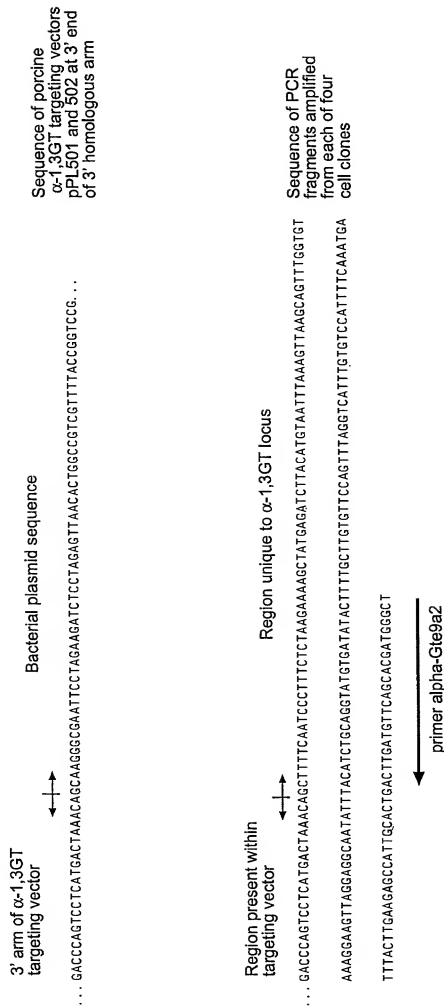


Figure 16. Poly A-trap Bovine BLG Knockout Vector

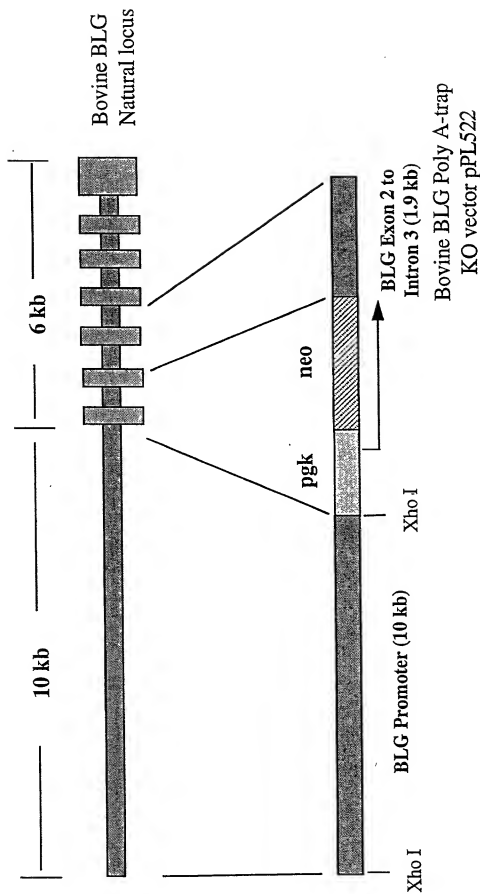


Figure 17. PCR Screening and DNA Sequencing of
BLG Knockout clones

10080713-022502
200220-21208001

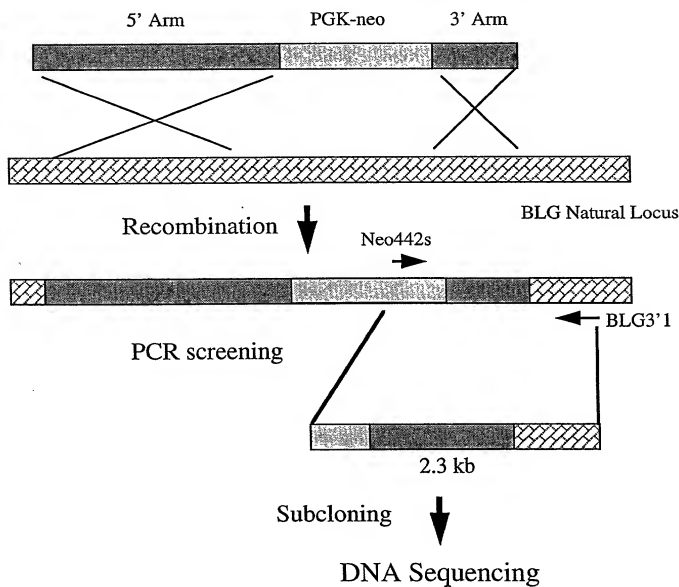


Figure 18. Sequence analysis over 3' junction region of PCR fragment amplified from bovine BLG targeted locus

